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haunts and habits of the buffalo. Such pleasant reading as this, illustrated as the text is by uniformly attractive wood-cuts, most of them of much artistic excellence, is just what is wanted for young people. Particularly adapted to this end are the chapters entitled, "In a snailery," "Wild mice," "Our winter birds," and "First comers." "An ornithological lecture" will, we think, hold closely the attention of young readers and is written in the author's happiest vein. The effect of the book will be not only to interest the reader in the story so pleasantly told, but when next summer he meets with snails, frightens the wild mouse from its nest, or hears the notes of the thrush or song-sparrow, or sees the yellow birds gather about the thistle, he will not only recall the ornithological lecture he or she has read, but desire to learn for himself or herself more about the beautiful, attractive forms enlivening the woodlands and meadows, or peopling the shrubbery or orchards near the house.

GENNADIOS ON PHYLLOXERA.¹—This is a small volume of seventy-eight pages in 12mo, divided in eleven chapters, of which the first nine review the origin and natural history of the insect and the remedies employed in other countries for the prevention of its ravages. The tenth chapter points out the great danger to Greece from importation of infected vines and the insufficiency of the existing laws on the subject. There is nothing new in the book, it being compiled from the writings of Planchon, Lichtenstein and Riley; the latter's figures, which have already done good service abroad, being rather poorly reproduced. It is the first work on the subject in modern Greek that has come to our notice.

WOOD'S INSECTS ABROAD.²—The title of this book is somewhat misleading in a work published here, as many of the insects figured and described are common American species. This is explained by the fact that the book first made its appearance in 1874, in London, and treats of insects which are exotic from that standpoint. It is, however, an interesting book, and the author, through having access to the collections of the British Museum, has been enabled to present figures of many of the rare and curious treasures there preserved. The work is so pleasing in appearance and so entertaining withal that we regret to feel obliged to mention the presence of many typographical errors and to put our readers on their guard against placing too much confidence in some of the statements contained in the text.

RECENT BOOKS AND PAMPHLETS.—Orange Insects. By Wm. H. Ashmead. 8vo, pp. 78, pls. 4. Jacksonville, 1880. From the author.

Notice of recent additions to the marine invertebrata of the northeastern coast of

¹ *The Destructive Phylloxera*. By P. GENNADIOS. Athens, Greece, 1879.

² *Insects Abroad*. A companion volume to "Insects at Home." Being a popular account of foreign insects, their structure, habits and transformations. By the Rev. J. G. Wood, M.A., F.R.S., etc. New York, George Routledge & Sons. 8vo, pp. xii, 780, with 520 figures.

America, with descriptions of new genera and species and critical remarks on others. Part II. Mollusca, with notes on Annelids, Echinodermata, etc., collected by the U. S. Fish Commission. Part III. Catalogue of Mollusca recently added to the fauna of Southern New England. By A. E. Verrill. Washington, D. C. (From the Proceedings of the U. S. National Museum, III. Printed Dec., 1880, and Jan., 1881.) 8vo, pp. 335-410.

Descriptions of new species of Crinoids from the Kaskaskia group of the Sub-carboniferous, pp. 7, pl. 1.—

Notes on some new or little known North American Limnæidæ, pp. 8.—

On the Geographical Distribution of certain fresh-water Mollusks of North America, and the probable cause of their variation, pp. 8.—

Some notes on American Land Shells, pp. 8.—

Remarks on the Trenton Limestone of Kentucky, pp. 17, pl. 1.—

Descriptions of Crinoids from the Upper Sub-carboniferous of Pulaski county, Kentucky, pp. 7, pl. 1.—

Remarks on the genus *Pterotocrinus*, Lyon and Casseday, pp. 6, pl. 1.—

Descriptions of new Crinoids from the Cincinnati group of the Lower Silurian and the Sub-carboniferous of Kentucky, pp. 9, pl. 1. By A. G. Wetherby. (All ext. from Journ. Cincinnati Soc. Nat. Hist., 1879.) From the author.

Description of five new species of Silurian fossils, and remarks upon an undetermined form. By S. A. Miller, pp. 4, pl. 1. (Ext. from Journ. Cin. Soc. Nat. Hist., 1881.) From the author.

James Smithson and his Bequest. By Wm. J. Rhees. (Smith. Misc. Coll.) pp. 159. From the institution.

Early discoveries of the Hawaiian islands. By Henry A. Peirce and Chas. Wolcott Brooks. 8vo, pp. 8. San Francisco, 1880.

Ein geologischer Spaziergang durch Neu-Mexico und Arizona. Von Dr. Oscar Loew. pp. 42-51. From the author.

Proneomenia Sluiteri gen. et sp. n., eine neue archaische Molluskenform aus dem Eismeere. Von Dr. A. A. W. Hubrecht. (Sep.—Abd. aus dem "Zool. Anzeiger," 1880, No. 70.) From the author.

Discoveries of Minerals in Western North Carolina. By John T. Humphreys. (Read before Buffalo Acad. of Nat. Sci., June 11, 1880.) pp. 4. From the author.

Chesapeake Zoölogical Laboratory. Report of the third year. Advanced sheets.

Contribution a l'Etude Anatomique des Némertines. (Assoc. Franc. pour l'Avanc. des Sci.) pp. 48, pl. 1.—

Note sur une nouvelle espèce d'Elasmobranchie hypotrème, le *Cephaloptera Rochebrunei*, pp. 2.—

Note sur la ponte du Pleurodèle de Waltl observée à la Ménagerie des Reptiles du Muséum d'Histoire naturelle, pp. 18. (Ext. du Bull. de la Soc. Phil. de Paris, 1880.)—

Sur la disposition des vertèbres cervicales chez les Chéloniens, pp. 4.—

Sur le développement des spinules dans les écailles du *Gobius niger* (Linné), pp. 4.

Sur la ponte des Amblystomes au Muséum d'Histoire naturelle, pp. 3.—

Sur l'oeuf d'un poisson du groupe des Squales *Stogostoma tigrinum*, Broussonnet. 4to, pp. 2. All by M. Leon Vaillant. From the author.

Catalogue des Mammifères Vivants et Fossiles. Par Dr. E.-L. Trouessart. (Ext. Bull. Soc. d'Etudes Scientif. d'Angers, 1880.) 8vo, pp. 48.

Revision du Genre *Ecureuil* (*Sciurus*). By Dr. E.-L. Trouessart. (Ext. Le Naturaliste, Oct., 1880.) pp. 10. From the author.

The anatomy, histology and embryology of *Limulus polyphemus*. By A. S. Packard, Jr. (Anniv. Mem. Boston Soc.) 4to, pp. 45, pls. 7, 1880. From the author.

Die Fossile Flora der Polarländer. Von Dr. Oswald Heer. Beiträge zur Mioenen Flora von Nord-Canada. 4to, pp. 17, pl. 3. Zurich, 1880. From the author.

Untersuchung über Fossile Hölzer aus der arctischen Zone. Von C. Schroeter. 4to, pp. 38, pls. 3. From the author.

Fifteenth Annual Report of the Colonial Museum and Laboratory, pp. 55. New Zealand, 1880. From the museum.

An Introduction to the Study of Fishes. By A. C. L. G. Gunther. 8vo, pp. 720. Edinburgh, 1880.

First Annual Report of the United States Geological Survey. By Clarence King, Director. pp. 62, 1 map. Washington, 1880. From the survey.

The Devonian Insects of New Brunswick. By Samuel H. Scudder. 4to, pp. 41, 1 pl. Anniversary Memoirs of the Boston Society of Natural History. Published by the Society, Boston, 1880. From the author.

Die Milben als Parasiten der Wirbellosen, ins besondere der Arthropoden. Von Dr. G. Haller. Halle a. S. 1880. 8vo. pp. 89. From the author.

Zur Kenntnis der Tyroglyphen und Verwandten. Von Dr. phil. G. Haller. (Aus dem xxxiv Bande der Zeits. f. wissensch. Zoologie.) 8vo, pp. 41, 3 plates. From the author.

Bericht über die von Herrn Dr. Blankenhorn in Karlsruhe veranstaltete Sammlung aller an der Rebe lebenden mikroskopischen Thiere. Von Dr. G. Haller. (Aus den Annalen der Oenologie. VIII Band 1880.) 8vo, pp. 10. From the author.

Application du sulfure de carbone au traitement des vines phylloxérées. 4^e. Année. Rapport sur les travaux de l'année 1879 et sur les résultats obtenus. Par M. A. F. Marion. Paris 1880. 4to, pp. 118. From the author.

Prontuario Filoxérico. Por Mariono de la Paz Graells. Madrid, 1879. 8vo, pp. 61, 2 plates. From the author.

Glances at Forestry in France in 1660 and 1880. By the Rev. J. C. Brown, LL.D. (Reprinted from the Journ. of Forestry and Estates Management, Oct. and Dec., 1879, and March, 1880.) 8vo, pp. 24.

Biologie der Käfer Europas. Eine Uebersicht der biologischen Literatur gegeben in einem alphabetischen Personen—und systematischen Sach-Register nebst einem Larven-Cataloge. Von Mathias Rupertsberger. Liuz a. d. Donau, 1880. 8vo, pp. 295. From the author.

Ueber die von den Trichopterenlarven der Province Santa Catharina verfertigten Gehäuse. Von Dr. Fritz Müller. Aus dem Portugiesischen übersetzt von Dr. Hermann Müller. Aus dem xxxv Bande der Zeitschrift f. wissensch. Zoologie. 8vo, pp. 41, 2 plates. From Dr. Hermann Müller.

Paltostoma torrentium. Eine Mücke mit zwiegestaltigen Weibchen. Von Dr. Fritz Müller. (Aus Kosmos, 1880.) 8vo, pp. 6. From Dr. Hermann Müller.

On some new and little known species of Tineidæ. By Thomas, Lord Walsingham. (From Proc. Zool. Soc., 1880, No. vi.) 8vo, pp. 17, 2 plates. From the author.

Pterophoridae of California and Oregon. By Thomas, Lord Walsingham. London, 1880. 8vo, pp. 66, 3 plates. From the author.

Description of the preparatory stages of Euptoleta claudia Cramer. By W. H. Edwards. (From Can. Ent., Vol. xii, 1880.) 8vo, pp. 5. From the author.

Description of a new species of Limenitis. By W. H. Edwards. (From Can. Ent., Vol. xii, 1880.) 8vo, pp. 6. From the author.

New species of Tineina. By V. T. Chambers. (From Journ. Cincinnati Soc. Nat. Hist., Jan., 1881.) 8vo, pp. 8. From the author.

Entomologische Notizen. Von Dr. G. Haller. (Aus den Mittheil. d. Schweizer. entom. Ges., Band vi, No. 1.) 8vo, pp. 11. From the author.

Die Imbauba und ihre Beschützer. Von Dr. Fritz Müller. (Aus Kosmos, iv Jahrgang, Heft 8, 1880.) 8vo, pp. 7. From Dr. Hermann Müller.

Die Variabilität der Alpenblumen. Von Dr. Hermann Müller. (Aus Kosmos, iv Jahrgang, Heft 6, 1880.) 8vo, pp. 15. From the author.